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(71) Applicant *(for all designated States except US)*: **APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.** [NL/NL]; 15 Pietermaai, Curaçao (AN).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HALAZY, Serge** [BE/FR]; Allée des Jonquilles 3, F-74100 Vétraz-Monthoux (FR). **SCHWARZ, Matthias** [CH/CH]; Rue de l'Evêché 3, CH-1204 Geneva (CH). **QUATTROPANI, Anna** [CH/CH]; Rue de la Filature 20, CH-1227 Carouge (CH). **THOMAS, Russel** [GB/GB]; 149 Cumnor Road, Boars Hill, Oxford, Oxfordshire OX1 5JS (GB). **BAXTER, Anthony** [GB/GB]; 1 Kingfisher Close, Abington, Oxon, Oxfordshire OX14 5NP (GB). **SCHEER, Alexander** [DE/CH]; Chemin Pré-Colomb, CH-1290 Versoix (CH).

(74) Agent: **SERONO INTERNATIONAL S.A. INTELLECTUAL PROPERTY**; 12, chemin des Aulx, CH-1228 Plan-Les-Ouates (CH).

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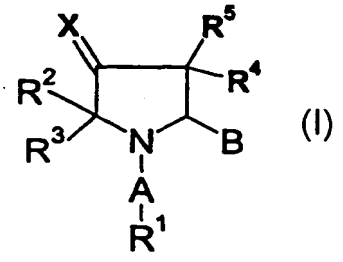
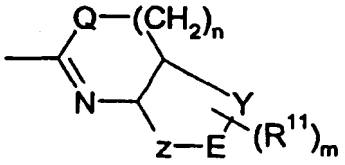
(54) Title: PHARMACEUTICALLY ACTIVE PYRROLIDINE DERIVATIVES AS BAX INHIBITORS



(I)



(a)

(57) Abstract: The present invention is related to pyrrolidine derivatives of formula (I). Said compounds are preferably for use as pharmaceutically active compounds. Specifically, pyrrolidine derivatives of formula (I) are useful in the treatment and/or prevention of premature labor, premature birth and dysmenorrhea. In particular, the present invention is related to pyrrolidine derivatives displaying a substantial modulatory, notably an antagonist activity of the oxytocin receptor. More preferably, said compounds are useful in the treatment and/or prevention of disease states mediated by oxytocin, including premature labor, premature birth and dysmenorrhea. The present invention is furthermore related to novel pyrrolidine derivatives as well as to methods of their preparation, wherein X is selected from the group consisting of CR^6R^7, NOR^6, NNR^6R^7; A is selected from the group consisting of -(C=O)-, -(C=O)-O-, -C(=NH)-, -(C=O)-NH-, -(C=S)-NH, $-SO_2$-, $-SO_2NH$-, $-CH_2$-,B is either a group $-(C=O)-NR^8R^9$ or represents a heterocyclic residue having the formula (a) wherein Q is NR^{10}, O or S; n is an integer selected of 0, 1 or 2; Y, Z and E form together with the 2 carbons to which they are attached a 5-6 membered aryl or heteroaryl ring.

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